

Title (en)

Method for assembling a hydraulic auto-tensioner

Title (de)

Verfahren zur Montage eines hydraulischen Selbstspanners

Title (fr)

Procédé d'assemblage d'un tendeur automatique hydraulique

Publication

**EP 2514996 B1 20141231 (EN)**

Application

**EP 12164207 A 20120416**

Priority

JP 2011093675 A 20110420

Abstract (en)

[origin: EP2514996A1] A hydraulic auto-tensioner is proposed which can be easily assembled. A plurality of lugs 27 are provided at an open end of a valve sleeve in which a plunger 19, a check valve 25 and a plunger spring 23 are mounted to prevent separation of the plunger 19. The lugs 27 are bendable to upright positions, so as to be bent. The plunger 19, plunger spring 23, check valve 25 and valve sleeve 12 form a disassemblable hydraulic damper unit A. After filling the valve sleeve 12 with hydraulic oil, the hydraulic damper unit A is inserted into the cylinder 11. Hydraulic oil is then supplied into the cylinder 11, and after mounting a return spring 18 and a push rod 16, the top opening of the cylinder 11 is hermetically closed by mounting a seal member 13. The hydraulic auto-tensioner is thus assembled.

IPC 8 full level

**F16H 7/08** (2006.01)

CPC (source: EP)

**F16H 7/0836** (2013.01); **F16H 2007/0806** (2013.01); **F16H 2007/0859** (2013.01)

Cited by

EP3943777A4

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

**EP 2514996 A1 20121024**; **EP 2514996 B1 20141231**; JP 2012225425 A 20121115; JP 5767005 B2 20150819

DOCDB simple family (application)

**EP 12164207 A 20120416**; JP 2011093675 A 20110420